

CLAIMS

WHAT IS CLAIMED IS:

1. An intelligent docking station, comprising:
 - a co-processor capable of converting a hand held-based data element into a device enabled data element;
 - a bus interface coupled to the co-processor; and
 - a port coupled to the co-processor.
2. The intelligent docking station of claim 1 further comprising a logic coupled between the co-processor and the port.
3. The intelligent docking station of claim 1 wherein the logic is a modem.
4. The intelligent docking station of claim 1 wherein the co-processor has a top-level device driver therein.

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5. The intelligent docking station of claim 1 wherein the co-processor has a low-level device driver therein.
 6. The intelligent docking station of claim 1 further comprising a communication driver coupled between the bus interface and the co-processor.
 7. The intelligent docking station of claim 1 further comprising a device co-located within the IDS.
 8. The intelligent docking station of claim 1 further comprising a handheld computer coupled to the bus interface.
 9. The intelligent docking station of claim 1 further comprising a device coupled to the port.

10. The intelligent docking station of claim 9 wherein the device is a keyboard.

11. The intelligent docking station of claim 9 wherein the device is a monitor.

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12. The intelligent docking station of claim 9 wherein the device is memory.

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13. The intelligent docking station of claim 8 wherein the handheld computer is coupled to the bus interface via a wireless connection.

14. A handheld computer device capable of communication with an
IDS, comprising:

a bus;

5 a communication driver coupled between the bus and a top-level
device driver; and

a handheld device operating system in communication with the
top-level device driver.

10 15. The device of claim 14 wherein the top-level device driver is a
keyboard driver.

16. The device of claim 14 wherein the top-level device driver is a
display driver.

15 17. The device of claim 14 wherein the top-level device driver drives a
device capable of being driven by an IDS in communication with the
handheld computer.

18. A data storage device that maintains a method of transferring a data element from a device to a handheld computer, the method comprising:

receiving a device-based data element at a docking station based co-
processor;

5 performing a driver conversion to convert the device-based data element into a bus-enabled data element; and

placing the bus-enabled data element on a handheld compatible bus.

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